

Amendments to the Specification:

Please replace paragraph [47] with the following amended paragraph:

R, [0047] The present invention discloses a plurality of devices useful for the embolization or isolation of aneurysms. More particularly, the present invention discloses various structures capable of implantation within a plurality of blood vessels of various sizes. Disclosed herein are various neck bridges, vascular patches, and stents which are generally comprised of a series of interlocking or otherwise connected support members forming a predetermined shape. Figures 4 and 5a show cross sectional views of a portion of a support member 24 before and following implantation as used in a plurality of embodiments of the present invention. As shown in Figure 4, the support member 24 may comprise a device substrate 26 having a reactive coating or materials 28 applied to the exterior portion prior to implantation. Figure 5a shows reactive coating 28 disposed on the support member 24 in a reacted state, wherein the reactive coating 28 has expanded outwardly from the device substrate 26 in a preferential direction. In the illustrated embodiment, the reactive coating 28 has expanded more along the horizontal axis than the vertical axis. Those skilled in the art will appreciate that the support member 24 of the present invention may be manufactured from a plurality of biologically-compatible materials, including, for example, platinum, gold, tantalum, titanium, stainless steel, tungsten, Nitinol, shape memory alloys, formed reactive material, or other suitable material. Fig. 5b shows an alternate embodiment of the present invention comprising a reactive material strand 28 woven with support members 24, thereby forming an interwoven structure 27. Those skilled in the art will appreciate the reactive strands 28 may be positioned within the interwoven structure 27 in a radial, axial, or radially and axial orientation. In an alternate embodiment, the device substrate 26 of the present invention may be manufactured from a plurality of biologically-compatible polymer materials, including, but not limited to, polyurethane, polyvinyl alcohol, polyester, polytetrafluoroethylene, silicone, acrylic, or similar polymeric material. In yet another embodiment, the support member 24 may incorporate radio-opaque or echogenic materials or agents, thereby enabling the surgeon to precisely position the device within a blood vessel or other hollow organ. Those skilled in the art

B₁ will appreciate that the support member 24, device substrate 26, and/or the reactive coating 28 may be chemically doped or impregnated with a drug or growth-promoting material to encourage tissue growth or impart other therapeutic benefit about the support member 24.
